

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled).
2. (Currently Amended) The method of claim 1 ~~6~~, further comprising placing a control channel in ~~the~~ a time slot to be transmitted at a higher transmission power than normal.
3. (Currently Amended) The method of claim 1 ~~7~~, further comprising placing a packet switched channel in ~~the~~ a time slot to be transmitted at a higher transmission power than normal.
4. (Currently Amended) The method of claim 3, wherein the packet switched channel ~~being~~ is a GPRS packet data traffic channel.
5. (Cancelled).
6. (Currently Amended) ~~The~~ A method of ~~claim 5~~, transmitting time slots in a base station system, the method comprising:
defining certain transmission powers as a normal transmission power;
determining, for each time slot, a transmission power to be used;
alternately transmitting time slots at a transmission power higher than normal, using at least two different transceivers to minimize heat build-up in the transceivers; and
placing a high-speed data channel in a time slot to be transmitted at a higher transmission power than normal,
wherein the high-speed data channel is an EDGE-modulated traffic channel.
7. (Currently Amended) ~~A~~ The method of ~~claim 5~~, transmitting time slots in a base station system, the method comprising:
defining certain transmission powers as a normal transmission power;

determining, for each time slot, a transmission power to be used;
alternately transmitting time slots at a transmission power higher than normal, using
at least two different transceivers to minimize heat build-up in the transceivers; and
placing a high-speed data channel in a time slot to be transmitted at a higher
transmission power than normal,

wherein the high-speed data channel is an EDGE-modulated GPRS packet data traffic channel.

8. (Currently Amended) The method of claim ~~4~~ 6, ~~further comprising wherein transmitting the time slots are alternately transmitted~~ at a higher transmission power than normal ~~alternately~~, using at least two different antennas.

9. (Currently Amended) The method of claim ~~4~~ 6, further comprising transmitting time slots at a normal transmission power using frequency hopping.

10. (Cancelled).

11. (Currently Amended) The base station system of claim ~~10~~ 15, wherein the control part is arranged to place a control channel in ~~the~~ a time slot at a higher transmission power than normal.

12. (Currently Amended) The base station system of claim ~~10~~ 16, wherein the control part is arranged to place a packet switched channel in ~~the~~ a time slot at a higher transmission power than normal.

13. (Previously Presented) The base station system of claim 12, wherein the packet switched channel is a GPRS packet data traffic channel.

14. (Cancelled).

15. (Currently Amended) ~~A~~ The base station system of claim 14, comprising:
at least two transceivers;
a control part configured to control the operation of the transceivers;
a switching field configured to connect time slots to the transceivers;

certain transmission powers being defined as a normal transmission power in the control part;

the control part being arranged to determine for each time slot a transmission power to be used,

wherein the control part is arranged to direct the switching field to alternately transmit time slots at a transmission power higher than normal, using two different transceivers to minimize heat build-up in the transceivers,

wherein the control part is arranged to place a high-speed data channel in a time slot at a higher transmission power than normal, and

wherein the high-speed data channel is an EDGE-modulated traffic channel.

16. (Currently Amended) A The base station system of claim 14, comprising:
at least two transceivers;

a control part configured to control the operation of the transceivers;

a switching field configured to connect time slots to the transceivers;

certain transmission powers being defined as a normal transmission power in the control part;

the control part being arranged to determine for each time slot a transmission power to be used,

wherein the control part is arranged to direct the switching field to alternately transmit time slots at a transmission power higher than normal, using two different transceivers to minimize heat build-up in the transceivers,

wherein the control part is arranged to place a high-speed data channel in a time slot at a higher transmission power than normal, and

wherein the high-speed data channel is an EDGE-modulated GPRS packet data traffic channel.

17. (Currently Amended) The base station system of in claim ~~10~~ 15, wherein the base station system is arranged to alternately transmit the time slots at a higher transmission power than normal ~~alternately~~, using at least two different antennas.

18. (Currently Amended) The base station system of claim ~~10~~ 15, wherein the base station system is arranged to transmit time slots at a normal transmission power using frequency hopping.